# Route Development Plans

## CHECKLIST

*This checklist is a guide for the document preparation of a Route Development Plan (RDP). The RDP Flowchart and Matrix should be used in conjunction for guidance pertaining to the overall process of conducting an RDP study. While not all items in the checklist may apply to each individual RDP, the majority of the checklist items should be addressed.*

*More complex RDPs may need additional items than those comprising the checklist. Depending on the complexity of the deficiencies and proposed solutions identified within the study area, strip maps, roadway sections, profiles or other relevant engineering data might be necessary to communicate the vision of the route as intended in the RDP.*

### SECTION 1: Highway Location, Classification and Function

- ☐ Include a vicinity map that identifies the area and route(s) analyzed within the RDP. List beginning and ending mileposts of the route.
- ☐ Include general descriptive paragraph of the route.
- ☐ Describe the type of travel that the route serves, e.g. commute trips, trucking, recreational, commercial access, etc.
- ☐ Identify and describe applicable route classification such as:
  - Federal functional class
  - National Highway System (NHS) status
  - Freight and Goods Transportation System (FGTS) status
  - Access classification (existing and planned)
  - Highway of Statewide Significance or Regionally Significant Highway status
- ☐ Describe the role of the route in the overall transportation network and its effect on other interdependent network sections. Identify related transportation facilities (both state-owned and other) such as rail and bus terminals, bus pull-outs, park and ride lots and bicycle or pedestrian facilities.
- ☐ Describe current land use, zoning and jurisdictions within the RDP area. Include discussion of any Growth Management Act (GMA) issues surrounding the route such as population or employment growth factors.

### SECTION 2: Description of Existing Facility

- ☐ Describe the terrain and roadside character.
  (Refer to Roadside Classification Plan at http://www.wsdot.gov/fasc/engineeringpublications/manuals/rcp.pdf)
- ☐ Describe the configuration of existing lanes and shoulders. Include widths and lane functions such as General Purpose (GP), passing lanes, High Occupancy Vehicle (HOV), etc. Provide milepost locations at change points such as number of lanes, two way left turn lanes (TWLTL) locations, land and shoulder width or speed limits. Show information graphically whenever possible.
- ☐ Describe the horizontal and vertical alignment. Identify deficient geometric elements such as stopping sight distance, horizontal curvature, design speed, etc. Identify location and percent of no passing zones.
- ☐ Provide a comprehensive list of all bridges and structures that include bridge number, milepost location, length, width and status within Highway Systems Plan (HSP) Preservation program. General condition of bridges should be discussed along with load capacity or clearance restrictions.
- ☐ List all existing traffic signals and any other significant traffic control features. Describe all intersections and/or interchanges and associated existing channelization.
- ☐ Briefly describe the existing R/W within the RDP area and any existing deficiencies (based on Design Manual standards).
- ☐ Provide a history of projects completed within the corridor.

- ☐ List significant drainage structure locations and condition. Denote those that serve as fish passages and whether they are prioritized as a fish passage.
- ☐ Identify existing utilities and locations within the corridor.
- ☐ Provide a list of projects currently being scoped, designed or under construction.

## SECTION 3: Present and Projected Operating Conditions

- ☐ Provide current and forecasted traffic data. Growth projections should be consistent with those used in the Highway Systems Plan and associated regional Transportation Plans.
- ☐ Discuss WSDOT Travel Delay and Highway Capacity Manual analyses performed within the route. From analyses provide existing and 20-year projected Congestion Index and Level of Service for route segments and intersections.
- ☐ Include traffic diagrams, design analyses or studies as necessary to clarify and support the traffic analysis.

## SECTION 4: Route Improvements

*NOTE: For improvements identified within the RDP corridor, identify "Red Flagged" item associated with future design elements such as right-of-way, environmental, utilities, etc.*

**MOBILITY**

- ☐ Identify improvements that address the existing and future identified deficiencies. For some deficiencies, several improvement alternatives may need to be proposed. For each improvement, describe in detail added lanes, traffic signals, interchanges, bridges, right-of-way requirements, pedestrian and bike facilities, etc.
- ☐ Describe all Transportation System Management (TSM) and Travel Demand Management (TDM) measures that are planned for the route corridor.
- ☐ Describe other improvements that many be desirable to the overall operation of the route but would not be included in the HSP or funded by WSDOT. Identify potential or document existing partnerships with entities such as developers, local agencies, etc.
- ☐ Describe envisioned levels of access control, access management and access purchase within the corridor.
- ☐ Describe WTP state-interest action strategies concerning increased mobility within the route corridor. Examples include transit and passenger rail service, non-motorized improvements, increase in freight movement, etc.

**SAFETY**

- ☐ Provide 3-year accident history. Show all sections that have been previously identified for accident reduction improvements (High Accident Corridors, High Accident Locations, and Pedestrian Accident Locations. Identify new accident reduction improvements.
- ☐ Show all sections that have been targeted for accident prevention improvements in the HSP (roadside risk, removal of at-grade intersections, signal and channelization)
- ☐ Show all sections that have been identified for signal and channelization improvements. Document coordination with local jurisdictions when applicable.
- ☐ Identify any sections that are within the "Highway Corridor Safety Program" that promote muli-agency strategies to improve safety in high accident corridors.

**ECONOMIC INITIATIVE**

- ☐ Identify and describe economic initiative action strategy improvements that are planned for the route such as all weather, restricted bridges and trunk system completion improvements.
- ☐ Identify and describe HSP tourism improvements that are planned for the route such as shoulder widening for bicycle touring route, scenic and recreational byway improvements and new rest areas.

**ENVIRONMENTAL IMPROVEMENTS**

- ☐ Identify and describe HSP environmental retrofit improvements that are planned for the route such as storm water retrofit, removal of fish passage barriers and noise wall reduction improvements.

## SECTION 5: Environmental and Roadside Preservation

- ☐ Include an initial screening for potential environmental impacts. (Level of detail dependent on complexity of projects within the study area).
- ☐ Identify roadside preservation issues that would be necessary in accomplishing RDP improvements. (e.g. types of re-vegetation, side slopes, drainage systems)
- ☐ Identify potential archeological, historical or culturally sensitive sites within the study area.
- ☐ Identify potential mitigation particularly those within existing right-of-way.
- ☐ Identify environmental justice communities and issues potentially affected by RDP recommendations.

## SECTION 6: Public Involvement and Consistency with Other Plans

- ☐ Identify the stakeholders and their level of involvement in developing the RDP. Stakeholders include MPO, RTPO, local agencies, community associations, special interests, businesses, etc. Document any agreements made with or comments from these stakeholders.
- ☐ Verify that the RDP is consistent with MPO/RTPO Transportation Plans and local comprehensive plans.
- ☐ Verify that RDP is consistent with Service Objectives and Action Strategies of the WTP and HSP.

## SECTION 7: Funding and Implementation of the RDP

- ☐ Identify and estimate costs for HSP improvements needed within twenty years.
- ☐ Identify the improvements that are planned to be completed in the first 6 years.
- ☐ Identify improvements included within the financially constrained element of the HSP and/or identify HSP Improvements that are excluded from the current list of funded projects.
- ☐ Identify all other improvements that would need funding by other sources outside state or federal revenue that may be considered in a future HSP.
- ☐ Identify funding program and financial resources available to implement RDP recommendations, prioritization process (i.e. cost/benefit analysis) and next steps within the decision process to implement the RDP.